In the Claims:

Claims 1-20 (Cancelled).

21. (Currently Amended) A plate heat exchanger comprising:

a pair of end plates;

a plurality of first passageway plates each having a first passageway defined therein;

a plurality of second passageway plates each having a second passageway defined therein;

a plurality of partition plates, said plurality of first passageway plates and said plurality of second passageway plates being stacked in an alternating manner with one of said plurality of partition plates interposed between each adjacent first passageway plate and second passageway plate, and said first passageway of each of said first passageway plates and said second passageway of each of said second passageway plates being aligned, whereby a first fluid flowing through said first passageway of each of said first passageway plates flows in a manner that is countercurrent to a flow of a second fluid flowing through said second passageway of each of said second passageway plates; and

a partition member arranged in ~~at least one of~~ only said first passageway of each of said first passageway plates ~~and said second passageway of each of said second passageway plates~~ so as to divide ~~said at least one of~~ said first passageway ~~and said second passageway~~ into two sections with respect to a widthwise direction of ~~said at least one of~~ said first passageway ~~and said second passageway~~.

Claim 22 (Cancelled).

23. (Previously Presented) The plate heat exchanger of claim 21, wherein each of said partition plates has a thickness greater than a thickness of any one of said first passageway plates and said second passageway plates.

24. (Previously Presented) The plate heat exchanger of claim 23, wherein said first passageway of each of said first passageway plates and said second passageway of each of said second passageway plates have generally U-shaped turning portions.

25. (Previously Presented) The plate heat exchanger of claim 21, wherein said first passageway of each of said first passageway plates and said second passageway of each of said second passageway plates have generally U-shaped turning portions.

26. (Previously Presented) The plate heat exchanger of claim 25, wherein each of said first passageway plates, said second passageway plates, and said partition plates has a plurality of header through-holes formed therein and arranged so as to form an inlet header and an outlet header in said plate heat exchanger.

27. (Previously Presented) A method of making a plate heat exchanger, comprising:

shaping a plurality of plates by pressing to form two fluid passageways in the plurality of plates, wherein the fluid passageways are not in fluid communication with each other, said pressing comprising pressing against a first surface of each of the plates toward a second surface of each of the plates;

coating solder paste on the first surface of each of the plates;

stacking the plates so that the second surface of each plate does not adjoin the second surface of an adjacent plate, whereby the plates are oriented in the same direction with respect to the first surface and the second surface of each of the plates; and

heating the plates while holding the plates in close contact with each other.

28. (Previously Presented) The method of claim 27, wherein said coating of the solder paste comprises coating the solder paste on only the first surface of each of the plates.

29. (Previously Presented) The method of claim 27, wherein said coating of the solder paste comprises printing the solder paste on the first surface of each of the plates using a coating mask.

30. (Previously Presented) A plate heat exchanger comprising:

a pair of end plates;

a plurality of first passageway plates each having a first passageway defined therein;

a plurality of second passageway plates each having a second passageway defined therein; and

a plurality of partition plates, said plurality of first passageway plates and said plurality of second passageway plates being stacked in an alternating manner with one of said plurality of partition plates interposed between each adjacent first passageway plate and second passageway plate, and said first passageway of each of said first passageway plates and said second passageway of each of said second passageway plates being aligned, whereby a first fluid flowing through said first passageway of each of said first passageway plates flows in a manner that is countercurrent to a flow of a second fluid flowing through said second passageway of each of said second passageway plates, said first passageway of each of said first passageway plates and said second passageway of each of said second passageway plates having generally U-shaped turning portions, at least one of said first passageway of each of said first passageway plates and said second passageway of each of said second passageway plates having a substantially uniform width along a lengthwise direction thereof.

31. (Previously Presented) The plate heat exchanger of claim 30, wherein each of said partition plates has a thickness greater than a thickness of any one of said first passageway plates and said second passageway plates.

32. (Previously Presented) The plate heat exchanger of claim 30, wherein each of said first passageway plates, said second passageway plates, and said partition plates has a plurality of header through-holes formed therein and arranged so as to form an inlet header and an outlet header in said plate heat exchanger.

Claims 33-38 (Cancelled).